

# FOLIO

## Open House: Biomedical Engineering

The Faculty of Medicine's Division of Biomedical Engineering is working gamma-ray computed tomography ( $\gamma$ -CT) into the local medical lexicon. Anyone interested in learning more of this technique is invited to attend the Division's Open House on Friday, 7 December. The hours are 2-5 p.m. in 10-105 Clinical Sciences Building. A poster display which is largely self-explanatory will complement the viewing of the  $\gamma$ -CT set up.

The new facility, one of five in use in the world today and, technically, the most advanced of the quintet, involves the evaluation of the physical status of bone (bone density). Division Director T.R. Overton and his colleagues, who include research associate Thomas Hangartner from the University of Zurich, have adapted and refined for their purposes computed tomography techniques similar to those which won the 1979 Nobel Prize for Medicine for A.M. Cormack of the United States and G.N. Hounsfield of England. Computed tomography is also a prime research topic at the University of Zurich and Dr. Overton spent a recent sabbatical there gathering information which could be shaped to meet the needs discerned by the Division of Biomedical Engineering.

The tomography system was built in the Faculty of Medicine's Workshop with the support of the Special Services and Research Committee of The University of Alberta Hospital. Installed over a one-year period at a cost of about \$15,000 (commercial

systems and their installation can reach the \$2 million mark), it uses eight detectors to scan bones in the appendicular skeleton. The duration of each scan or slice is one and one-half minutes, which, while substantially slower than the five seconds taken by some commercial systems, involves about one one-thousandth of the radiation dose received from those units.

After the bone has been scanned from a number of different angles, data are collected on tape and processed in the Amdahl system, the end result being a reconstructed image from which the absolute density of bone can be measured say, in response to the progression of disease or its therapy. If drugs and/or therapy are being used the effects of same can readily be determined.

According to Dr. Overton, the evaluation of therapy in diseases involving bone can be a protracted process with current diagnostic approaches. Gamma-ray computed tomography provides a greatly improved sensitivity for bone density measurement and can thus provide a much earlier indication of the effectiveness of the therapeutic process.

Dr. Overton's objective is to further upgrade the system and to fully exploit all techniques in both clinical and experimental situations.

He invites the University community to visit the laboratory on 7 December and see "this unique technological development in medical diagnostics." □



*A first-hand experience with gamma-ray computed tomography in the Division of Biomedical Engineering*

## Legal Resource Centre Open House

The Legal Resource Centre of the Faculty of Extension will be holding an open house in its new offices at 10047 81 Avenue. The date of the open house is 7 December from 3 to 7 p.m. All staff of the University are invited to attend.

The Legal Resource Centre is funded by the Alberta Law Foundation and administered by the Faculty of Extension at The Uni-

versity of Alberta. The primary objectives of the Centre are the following: the education of Albertans with respect to law; the training of social action groups; and the provision of legal information to interested individuals and organizations. Short of giving a legal opinion or advice, the Centre attempts to answer questions sent to it from across Alberta. □

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## General Faculties Council

*The regular meeting of the General Faculties Council took place last month on Monday 26 November. The following is a brief report on some of the topics discussed at that meeting.*

### *The Libraries*

During the formal Question Period, members of GFC responsible for the administration of The University of Alberta libraries responded to concerns raised by members of the student and academic bodies. Through Dr. B.L. Evans, a colleague and member of GFC, Dr. F.A. de Luna submitted a written question concerning the delays people are encountering in checking-out material, especially from the Rutherford North Library. The delays experienced, according to Dr. de Luna, are sometimes as great as half an hour or more. Dr. de Luna suggested that "this situation [is] an intolerable obstruction of the research activities of this University."

In his formal reply, the Librarian to the University, Bruce Peel, acknowledged that the present delays in checking out books are intolerable, and regretted

the inconvenience they have caused users. The essential reason for the delays is that new terminals were required last summer to read the information provided on book cards. Prior to last summer, the circulation system was still using the terminals purchased a dozen years ago when the system was first automated. These terminals had gradually broken down and the supplier had ceased manufacturing them. During the testing period for the new terminals, use of the circulation system was light and the terminals performed well enough. Unfortunately, the shortcomings of the new terminals only became apparent during the heavier traffic of the current Winter Session.

The University community need exercise patience for only a short while longer, however, for, according to Mr. Peel, the current "underpowered" automated system will be up-graded and operating effectively by mid-December.

Other questions, on a variety of issues, were raised by the Students' Union Vice-President (Academic) Chanchal Bhattacharya. Specifically, in a letter submitted to the Secretary to GFC, Mr. Bhattacharya expressed his concern over the amount of study space available to student users of the libraries, especially during the coming examination period. The response again came from Mr. Peel. A list of the buildings which will have extended hours of opening may be found on p. 3 of this edition of *Folio*.

For all the concern over availability of study space and slow circulation systems, however, perhaps the most significant, and alarming, comments about our libraries came from Dean Worth of the Faculty of Education during discussion of the Operating Budget and the principles and policies adopted for 1979-80 and to be adopted for 1980-81.

Dean Worth pointed to the fact that mere cataloguing and

shelving newly acquired material in the H.T. Coutts Library now takes as long as one year and is as tardy in other libraries on campus. Valuable and indispensable research and teaching material is, therefore, unavailable at times when, perhaps, it is needed most. Also, Dr. Worth observed that soaring inflation has reduced the effective purchasing power of our libraries' resources to almost half what it was earlier in this decade. All this deterioration of a highly respectable library, as members of GFC agreed wholeheartedly, is the direct result of inadequate funding.

GFC, therefore, approved a statement proposed by Dr. Worth for inclusion in the *Operating Budget Principles and Policies 1980-81* to the effect that priority will be given to a corrective increase in the base budget for the library to alleviate the reduction in purchasing power which has occurred in recent years.

### *New Members*

GFC appointed J. Moss (Law-3) and S. Lang (Rehabilitation Medicine-4) to serve on the Council as undergraduate student members elected by their respective Faculties.

### *Chairmen's Council*

The issue of the possible incorporation in *The Universities Act* of references to departments, their chairmen, and the Chairmen's Council provided meat for substantial debate on Monday, 26 November. After representatives of the Chairmen's Council (the past Chairman of that Council, Dr. Marahrens of Germanic Languages, and the current Chairman, Dr. Campbell of Geography) had presented the Council's desire for statutory recognition to GFC in September, the issue was discussed by the Executive Committee of GFC and by the Dean's Council before being returned to GFC at its November meeting.

After introductory remarks by Dr. Campbell, at the President's invitation, discussion was opened to the floor. Support for the position taken by the Chairmen's Council rested primarily on the need to recognize formally the very important role department Chairmen play at this University. Dr. J. Tartar (Computing Science) suggested that "it is a very profound recognition that one obtains" from formal inclusion in *The Universities Act*. He and Professor J.A. Creore (Romance Languages) both pointed to the statutory recognition of other components of the University and, for Professor Creore, it seemed "totally illogical" that Chairmen are not referred to in the Act when they are the administrators with whom the average staff member has the most contact.

There were other reasons offered for supporting the request of the Chairmen's Council. Dr. Campbell suggested that formal recognition of the role of department Chairmen might stimulate some who are reluctant at present to become involved in an informal forum for discussing the operational problems with which they must cope from day to day. Dr. G.L. Kulak (Civil Engineering) also stressed that department Chairmen find themselves in a difficult situation when faced with implementing tough fiscal or personnel decisions when, perhaps, they have taken no part in the decision-making process. Dr. Kulak added that the activity of Chairmen in such decision-making processes is dependent on the goodwill of the Dean of the Faculty, which may or may not be sensed to exist. Dr. T.L. White (Sociology) returned to the topic of a formal consultative body referred to by Dr. Campbell. Dr. White believed that the request of the Chairmen's Council in no way seeks to alter the current assignment of authority within the University. In his view, the main

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## FOLIO

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423 Athabasca Hall  
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thrust of statutory recognition of the Chairmen's Council would be to facilitate a sharing of experiences of Chairmen across the campus, which, in turn, could be of assistance to Chairmen faced with difficult problems.

While no speaker was openly opposed to the idea of including mention of departments, their Chairmen, and the Chairmen's Council in *The Universities Act*, several members of GFC questioned the necessity of such formal, statutory recognition. Indeed, Professor Dacks (Political Science) was of the opinion that not only is it unnecessary to make reference to the Chairmen's Council in the Act but that it may also be undesirable to submit such a request for amendment to the Act to the provincial government. Such a request in Professor Dacks's view, might be misinterpreted as being "the ultimate extent of our concerns."

Dr. Asch (Anthropology) took up Professor Dacks' concerns. He was at a loss to understand the necessity of the proposal: departments and their Chairmen exist even though they are not mentioned in our governing Act.

Professor Christian (Law) echoed the opinions of those who questioned the necessity of the Chairmen's Council proposal. For him, acceptance of the proposal would make no difference in the way in which business is done at our institution, unless in some way the authorities of the Chairmen might be enhanced through such formal recognition of their role. As it was emphasized throughout the debate, that an increase in the powers of Chairmen was not an issue, the problem of understanding the need for formal recognition remained for him and for several of the other speakers. In light of this question of necessity, it was suggested that the role of department Chairmen and the Chairmen's Council could well receive formal recognition through internal University legislation.

Such, then, were the concerns of some of those who took part in the GFC discussion. Several people who spoke expressed the

need for University-wide discussion of the topic. Acting Dean of Arts, Dr. Abu Laban, stated that he respected the views of a "good number of colleagues on this campus that this is an important issue," with the result that he urged the acceptance of a motion which specified agreement in principle to the desires of the Chairmen's Council. Acceptance of the motion, it was suggested, would assist in the realization of a more extensive discussion of the issue across campus.

A motion was eventually carried to the effect "That there is agreement in principle that *The Universities Act* be amended in order to recognize the existence of departments, their chairmen and the Chairmen's Council, and that an appropriate description of the proposed amendment to *The Universities Act* be placed before the appropriate University bodies for their approval prior to submission to the Department of advanced Education and Manpower."

#### *Operating Budgets*

At its November meeting, GFC considered two items, separate on the agenda but with much in common: reports on the operating budgets for the current and the next budget years with respect to the principles and policies which govern their formulation.

Discussion was at least as long and as complex as that associated with the issue of the Chairmen's Council proposal. The severe financial plight in which our University continues to find itself was again stressed, the suggestion being made that not enough attention is paid by members of the news media to this plight and the great sacrifices being made in both academic and service areas to maintain the fiscal viability of the University. In particular, Dr. Horowitz drew attention to the loss of thirty-two academic positions (twenty-eight of which were teaching appointments) and the fact that eight new appointments were made in areas of the greatest need. Such actions, it was stated, add up to a great deal more than has been put

before the public. The University is very much involved with the ordering of its priorities in a continuing attempt to meet the needs of the people of this province.

The principles and policies approved for the budget year 1980-81 are essentially similar to those under which our University currently operates. There are a few changes, however. In addition, to an explicit statement concerning the priority of funding for our libraries (see above), changes were made to the Policy on Replacement Appointments. For a variety of reasons, the fund set up to provide support for the appointment of new faculty members above the specified, normal level of Assistant Professor (to a maximum of two merit increments above the floor) has been exhausted. In 1980-81, this

Senior Appointments Fund will gain its resources from the discrepancy in the salaries of those who have left the University's employ and those who have been hired as replacements in the lower ranges of the Assistant Professorship.

A further concern discussed at length on Monday, 26 November, was the support given to the Department of Housing and Food Services. In particular, the student members of GFC raised questions about the Lister Hall components of that department's budget. Professor Leitch, Vice-President (Finance and Administration), assured GFC that were the Lister Hall residential complex fully occupied, rather than only 90 percent occupied as at present, it would operate at a "break even" level and not sustain financial loss. □

## Extended Building Hours: Study Areas

*Central Academic Building*  
(1 December 1979 - 30 April 1980)  
Monday-Friday 7 a.m.-midnight  
Saturday 7 a.m.-midnight  
Sunday noon-midnight

*Periodicals Reading Room  
Rutherford South*  
(January 1980)  
Monday-Thursday 8:30 a.m.-9 p.m.  
Friday 8:30 a.m.-9 p.m.  
Saturday noon-9 p.m.  
Sunday closed

(1 February-30 April 1980)  
Monday-Thursday  
8:30 a.m.-midnight  
Friday 8:30 a.m.-midnight  
Saturday noon-midnight

*Rutherford and Cameron  
Libraries*  
(3 December-19 December 1979)  
Monday-Friday 7:45 a.m.-2 a.m.  
Saturday 9 a.m.-2 a.m.  
Sunday 9 a.m.-2 a.m.

*H.T. Coutts Library*  
(3 December-19 December 1979)  
Monday-Friday 7:45 a.m.-11 p.m.  
Saturday 9 a.m.-6 p.m.  
Sunday 9 a.m.-11 p.m.



## The Minister's Advisory Committee

The Minister's Advisory Committee on University Affairs met on 27 November to hear a number of briefs concerning The University of Alberta. The information received by the Committee will ultimately be passed on to the Minister of Advanced Education and Manpower.

Early in the meeting Dr. Horowitz expressed a deep concern for the increasing workload placed upon many staff members due to the elimination of many positions as they become vacant. Both in teaching and research, human resources are declining as a result of restraints on funding.

Mr. Larry Henderson of the Student Awards Office recommended that students from families requiring social aid be allowed to collect social aid for at least the first two years of a university education. At present, post-secondary students can not collect social aid. Because students coming from financially insecure families are not able to pay for post-secondary schooling, they are compelled to enter the work

force upon leaving high school. Social aid would allow these students to enter universities full-time and experience the benefits of a higher education.

Mr. D. Olmstead, President of the Students' Union, presented a brief concerning the quality and accessibility of a university education. A number of eye opening statistics were revealed in the course of the brief. A student living away from home would have to *save* \$6.05 per hour, forty hours per week throughout the entire summer break (sixteen weeks), to raise the estimated \$3,870 required for one year at this University.

The Students' Union brief was researched by Stuart MacKay and received praise from members of the Advisory Committee.

W.T. Pidruchney, a member of the Board of Governors, proposed that a tuition-free liberal arts education be implemented for Albertans. The proposal excludes programs leading directly to a profession such as medicine which would continue with

tuition programs. In a society possessing the wealth of Alberta there should be no obstacles to a post-secondary education. Mr. Pidruchney pointed out that in our society young people seeking an education have the least amount of money but have the most urgent needs. Older generations have the greatest amount of money while requiring it the least. In a province as wealthy as Alberta it is wrong that people should be denied the opportunity for a post-secondary education due to financial considerations. Mr. Pidruchney's brief was not necessarily the opinion of all members of the Board of Governors.

Dr. F. Weinstein of the Podiatry Association expressed a desperate need for the establishment of a podiatry school. The podiatry profession in Canada is in danger of dying out if retiring podiatrists are not replaced with new people. There is no school of podiatry in Canada, and at the present time it is virtually impossible for Canadians to enter a foreign school of podiatry even if the

staggering cost of the tuition can be met. Many of the podiatrists in Canada are war veterans educated after World War II with the financial aid of the Canadian government. These podiatrists are now nearing or have reached the age of retirement, causing the Association concern over the consequences if new people are not educated to replace those entering retirement. At present there are only two podiatrists in Edmonton.

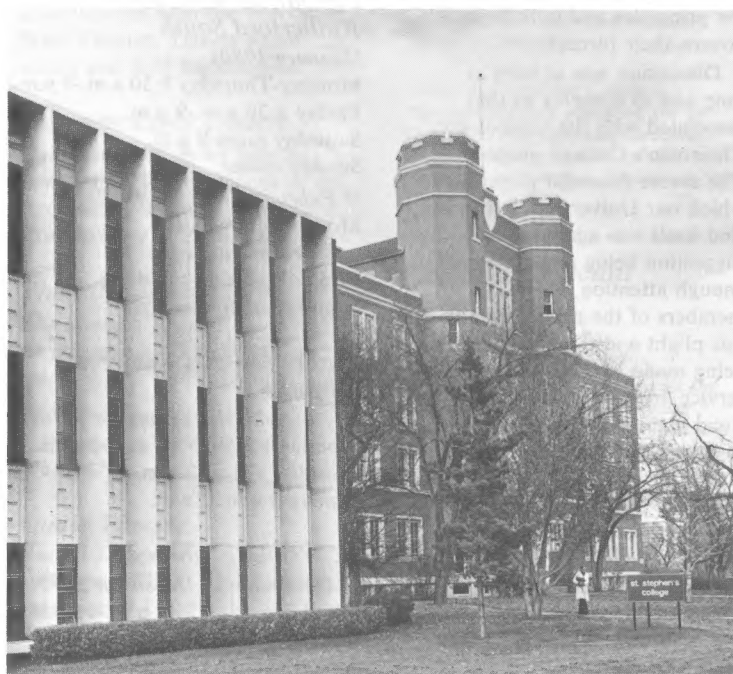
Other briefs received by the Advisory Committee included a proposal to establish The University of Alberta, in certain areas, as an international institution. It was suggested in another brief that academic staff be classified for either a teaching or research function. The need for a classification system arises from the tendency for staff to spend less time with graduate students and more time with research and consultation. □

## St. Stephen's Installs New Principal

Garth Mundle was installed as the sixth Principal of St. Stephen's College on 7 November. The installation took place at a convocation held at St. Andrew's United Church in Edmonton.

Dr. Mundle was educated at Mount Allison University, Pine Hill Divinity Hall, Boston University, and Andover Newton Theological School. He has devoted some twenty years to pastoral work.

In his installation address, Dr. Mundle stressed the need for St. Stephen's College to change with the needs of society. Changes include the operation of the institution, the development of new ways to serve the Church, exploration of areas not being dealt with by other religious institutions, and promoting the development of Church leadership and scholarship. □



*people*

Norman Yates, Art and Design, received an Alberta Achievement Award for excellence in art at a recent ceremony held in Calgary.

C.W. Gillam, Industrial and Legal Relations, was a principal speaker at the First Canadian Conference of College and University Ombudsmen, held at Concordia University 4-6 November. Professor Gillam's topic was "Justice in the University: Some Burning Issues." □



# Folio accepts display advertising

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*Other specifications:* half-tones (100-line screen or less) are acceptable; no colour or bleeds. Camera-ready copy is necessary; there is a charge of 20c per word for type-setting, and \$5 for adjustment of design work. Deadline for submission is one week prior to publication (Thursday, 3 p.m.). Acceptance of advertisements and positioning are at the discretion of the editor.

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## coming events

*Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to 423 Athabasca Hall.*

### Films

#### *Department of Germanic Languages*

12 December. 7:30 p.m. "Die falsche Bewegung." 17 Arts Building. Free admission.

#### *National Film Theatre*

6 and 7 December. 7:30 and 9:15 p.m. The best of the '78 Cannes Commercials. Telephone 426-4811.

9 December. 8 p.m. "Marilyn." 12 December. 7:30 and 9:15 p.m. "The River." Tickets \$2.75, special rates for students.

#### *Provincial Museum*

8 December. 2 p.m. "National Velvet." 9 December. 4 and 7 p.m. "A Shot in the Dark." 12 December. 7 p.m. "The French Connection." Free admission.

#### *Edmonton Film Society*

10 December. 8 p.m. "Remember The Night" starring Barbara Stanwyck. Tory Lecture Theatre. 12 December. 8 p.m. "Late Spring" (1949, Japan). Tory Lecture Theatre.

#### *SUB Theatre*

6 December. "The Maltese Falcon" starring Humphrey Bogart. 7 December. "The 39 Steps" by Alfred Hitchcock. Showing at 7 and 9:30 p.m.

#### *Edmonton Public Library*

8 and 9 December. 2 p.m. "This Island Earth." Showing at the Centennial Library. Free admission.

#### *Films for Seniors*

13 December. 2 p.m. "Easy Street," Living Jungle," "Skateboarding to Safety." Jasper Place Library.

### Music

#### *Department of Music*

8 December. 8:30 p.m. The Richard Eaton Singers Christmas Concert with conductor, Larry Cook. Performance at the Jubilee Auditorium.

8 December. 8 p.m. The Relevé String Quartet. Convocation Hall.

9 December. 2:30 p.m. Christmas Concert—Talent Education. Convocation Hall.

10 December. 8 p.m. *Decade 2 Series* featuring The University of Alberta String Quartet. Convocation Hall.

12 December. 8 p.m. Chamber Music Recital. Convocation Hall. There will be an admission charge. Tickets available at the door, and at the Music Office, 3-82 Fine Arts Centre.

#### *Flute Ensemble*

9 December. 2:30 p.m. The University's Flute Ensemble. Performance in the Centennial Library in the Edmonton Room. Free admission.

#### *Edmonton Symphony*

21 and 22 December. 8 p.m. Mitch Miller will be joined by the Richard Eaton Singers and National Ballet performers, Veronica Tennant and Tomas Schramek.

#### *South Side Folk Club*

8 December. 8 p.m. Robin Williamson and his merry band with Sweetgrass. Tickets available from SUB Theatre, HUB, Mike's and Scottish Imports. Telephone 475-1042 for information.

#### *Latitude 53*

8 December. 8 p.m. The Bayley/Creaghan duo. Performance in the Centennial Library Theatre. Tickets \$5. Telephone 484-8098 or 488-9429.

#### *Edmonton Recorder Society*

7 December. 8 p.m. Lecture and demonstration by Carl Lotsberg. Southwest Cultural Centre, 115 Street and 74 Avenue.

### Radio

6 December. 7 p.m. *Voiceprint: The Word is Out: Writing*. This edition of *Voiceprint* examines the invention of writing and the nature of manuscript culture. A discussion of calligraphy and how we see accompany this shift to visual communication. CKUA (580 AM, 95 FM)

7 December. 7 p.m. *Legal Maze: Tort Law—Civil Wrongs—Part II*. This week, *Legal Maze* examines Tort Law or Civil Wrongs. This program looks at: Who can commit a civil wrong; who is responsible for their civil wrongs? The rest, and majority of the program looks at Unintentional Torts or Negligence. CKUA (580 AM, 95 FM)

8 December, 7 p.m. *University Concert Hall: The Concert Choir*. This week, University Concert Hall guest speaker Dr. Larry Cook, conductor of the Concert Choir, discusses the choir's past season and features music of their new album. CKUA (580 AM, 95 FM)

9 December. 8 a.m. *Idealog: African Politics—Part II*. This week, *Idealog* takes a closer look at the politics in Black African Countries. Guest speakers are R. McKown, K. Gupta, and L. Kaida. CKXM (100.3 FM)

12 December. 8 p.m. *Dimensions: This Century*. This week *Dimensions*, looks at the third program in the series covering This Century. CKXM (100.3 FM)

## Exhibitions

### *Edmonton Art Gallery*

*Until 16 December.* "Alberta Clay Sculpture."

*Until 16 December.* "Alan Reynolds"

*7 December.* "Bryan Chubb"

*10 December.* "Pictures of a Floating World."

### *University Special Collections*

*Until 4 January.* "Follies and Fashions of our Grandfathers." A selection of books and fashion plates. B37 Cameron Library.

### *Edmonton Public Library*

*Continuing.* "Modern Chinese Watercolor Paintings." Displaying in the Foyer Gallery.

### *University Art Gallery and Museum*

*Until 9 December.* "Aspects of Canadian Printmaking."

## Lectures and Seminars

### *Department of Economics*

*7 December. 3 p.m.* Professor Soren Lemche will speak "On Money in a General Equilibrium Model." 8-22 H.M. Tory Building.

### *Department of Physics*

*11 December. 3:30 p.m.* Dr. B.B. Mandelbrot of Harvard University will talk about "Fractals and Physics with Many Scales of Length." V-128 Physics Building.

### *The Women's Canadian Club*

*12 December. 11 a.m.* The Most Rev. J. MacNeil, Archbishop of Edmonton, will deliver a Christmas message. Telephone 469-7961 for information.

### *Personnel Services and Staff Relations*

*11 December. 9 a.m. to 4 p.m.* "Safety in the Chemical Laboratory." Apply in writing to Gordon Weir, E3-43B Chemistry Building.

### *Department of Biochemistry*

*6 December. 4 p.m.* Dr. Elias Lazarides of the California Institute of Technology will talk about "The Molecular Basis of Cell Movement." 227 Medical Sciences Building.

### *Edmonton Public Library*

*10 December. 7:30 p.m.* The *Woodcroft Writers' Series* will feature three Alberta writers, Bill Kinsella, Jon Whyte, and Charles Noble. Telephone 455-4559 for information.

### *Unitarian Fellowship*

*Every Sunday. 10:30 a.m.* Lansdowne Elementary School, 12323 51 Avenue. Telephone 439-7837 for information.

## Theatre

### *Espace Tournesol*

*8 December. 8 p.m.* Calgary-based dance/theatre group *Co-Motion* will present "Promises/Compromises." Tickets \$3.50. Telephone 471-5235 for information.

### *John Janzen Nature Centre*

*9 and 16 December. 2 p.m.* A nature experience show featuring "Flibberty Gibbits." Co-produced with the Workshop West Theatre. Tickets \$1.50/adults and \$.75 for children.

### *Northern Light Theatre*

*Continuing.* "Side by Side by Sondheim." Performances in the Art Gallery Theatre. Telephone 429-3110 for information.

### *The Citadel Theatre*

*The Shoctor Theatre*  
*12 December.* "The Trials of Oscar Wilde."

### *The Rice Theatre*

*5 December.* "The Trojan Women."

### *Studio Theatre*

*Until 8 December.* "Misalliance" by Bernard Shaw. Tickets available from 4-146 Fine Arts Centre. Telephone 432-2495 for information.

## service information

## Notices

### *GFC Committee for the Improvement of Teaching and Learning*

The Nominating Committee is seeking nominations to fill a vacancy for a member of the academic staff on the above Committee. Would those who have nominations or who are interested in serving on the above Committee please contact the Secretary of the Nominating Committee at 2-1 University Hall. Telephone 432-4715. It would be appreciated if a brief vita could accompany any nomination.

### *Safety in the Chemical Laboratory*

This course, offered by University Occupational Health Safety and Fire and the Department of Chemistry, is designed for University staff and students working with chemicals. The course will be held 11 December from 9 a.m. to 4 p.m. in Chemistry E-160. No admission will be charged. Apply in writing to Gordon Weir, E3-43B Chemistry Building.

### *Singles On Campus*

A members only Christmas dance will be held 15 December at 8:30 p.m. in room 142 SUB. For information concerning club activities telephone Audrey at 487-9195.

### *General Faculties Council*

The GFC meeting scheduled for 10 December 1979 has been cancelled. The next regular meeting of GFC will take place on Monday, 28 January 1980.

## Positions Vacant

### *On-Campus*

#### *Non-Academic Positions*

To obtain further information on the following positions, please contact *Personnel Services and Staff Relations*, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 30 November 1979.

Sales Clerk I (\$764.41-\$822.72)—Bookstore  
Duplicating Operator I (\$764.41-\$883.20)—Law  
Clerk Typist II (\$764.41-\$912.91)—Surgical-Medical Research Institute

Clerk Steno II (\$793.02-\$949.20)—Secondary Education; Boreal Institute; Nursing; Extension  
Dental Assistant I (\$793.02-\$949.20)—Dental Clinical Sciences (2 positions)  
Clerk Typist III (\$849.11-\$1,021.79)—Pharmacy; Administrative Services (2 positions)  
Data Entry Operator I (\$849.11-\$1,021.79)—Computing Services; Bookstore  
Data Entry Operator I/II (\$849.11-\$1,109.78)—Computing Services  
Clerk Steno III (\$883.20-\$1,065.78)—Geology; English; Philosophy; Secretariat; Educational Psychology; Mineral Engineering; Continuing Medical Education; Provincial Laboratory; University Occupational Health, Safety and Fire  
Laboratory Assistant III (\$883.20-\$1,065.78)—Obstetrics and Gynaecology  
Programmable Typewriter Operator II (\$883.20-\$1,065.78)—Civil Engineering  
Admission Records Trainee/Coordinator (\$883.20-\$1,109.78)—Office of the Registrar  
Medical Steno (\$949.20-\$1,158.17)—Medicine (3 positions)  
Secretary (\$984.39-\$1,205.47)—Audio-visual Media Centre; Secretariat; Chemistry  
Administrative Clerk (\$984.39-\$1,205.47)—Geology  
Library Assistant III (\$1,109.78-\$1,367.16)—Extension Library  
Laboratory Assistant II (\$793.02-\$949.20)—Provincial Laboratory  
Laboratory Assistant III (\$883.20-\$1,065.78)—Medical Laboratory Science  
Assistant Curriculum Technician (\$883.20-\$1,065.78)—Education Curriculum Laboratory  
Computer Assistant II (\$912.91-\$1,109.78)—Computing Services (2 positions)  
Technician I (Part time, Trust) (\$492.20-\$602.74)—Pharmacy and Pharmaceutical Sciences  
Technician I (Trust) (\$949.00-\$1,162.00)—Medicine  
Storeman II (\$949.00-\$1,162.00)—Printing  
Assistant Herdsman (Trust) (\$949.00-\$1,162.00)—Animal Science (2 positions)  
Storeman II (\$949.00-\$1,318.00)—Central Stores  
Assistant to the Buyer (\$949.00-\$1,158.17)—Bookstore  
Civil Engineering Technician I (\$984.39-\$1,205.47)—Civil Engineering (2 positions)  
Food Service Worker IV (\$1,021.79-\$1,257.17)—Housing and Food Services  
Computer Operator I (\$1,065.78-\$1,311.06)—Computing Services  
Audio and Video Technician I/II (\$1,065.78-\$1,489.25)—Audiovisual Media Centre; Radio and Television  
Publications Assistant II (\$1,109.78-\$1,367.16)—Entomology  
Security Officer I (\$1,109.78-\$1,367.16)—Campus Security  
Technician II (\$1,109.78-\$1,367.16)—Mineral Engineering  
Technologist I (\$1,109.78-\$1,367.16)  
Home Economics (Food); Surgery

Technologist I (Trust, Term) (\$1,109.78-\$1,367.16)—Zoology  
 Technician II (\$1,109.78-\$1,367.16)  
 —Oral Biology  
 Laboratory Technologist I (\$1,109.78-\$1,367.16)—Provincial Laboratory (2 positions)  
 Technologist I (Trust) (\$1,070.00-\$1,318.00)—Immunology  
 Accounting Assistant (Audit) (\$1,257.17-\$1,556.33)—Internal Audit  
 Typographical Tradesman III (\$1,311.06-\$1,623.42)—Printing Services  
 Programmer/Analyst II (\$1,367.16-\$1,697.12)—Forest Science; R.S. McLaughlin Examinations and Research Centre (Trust)  
 Programmer/Analyst II/III (\$1,367.16-\$2,021.59)—Administrative Systems (2 positions)  
 Biology Technologist III/IV (\$1,427.65-\$2,021.59)—Genetics  
 Machinist Technician III (\$1,489.25-\$1,850.00)—Technical Services  
 Civil Engineering Technician IV (Trust) (\$1,376.00-\$1,708.00)—Civil Engineering  
 Interior Designer II (\$1,489.25-\$1,850)—Purchasing  
 Programmer/Analyst III (\$1,623.42-\$2,021.59)—Computing Services; Administrative Systems; Chemical Engineering

## Off-Campus

### President

Mount Royal College is accepting applications for the position of President until 1 January 1980. Founded in 1910, Mount Royal College is Alberta's largest community college. The College has a staff of over 500 and a full-time student body of about 3,500. About 3,000 people are enrolled in the College's Conservatory of Music, and 15,000 take part in its continuing education programs.

The President is accountable to the Board of Governors for the overall academic integrity of the College and for the sound effective management of its human, financial, and physical resources.

Submit applications to:  
 Edward P. Schmidt, Secretary  
 Board of Governors,  
 Mount Royal College,  
 4825 Richard Road S.W.  
 Calgary, Alberta  
 T3E 6K6

### Administrative Clerk—Personnel (\$11,065-\$13,815)

The Provincial Cancer Hospitals Board has an immediate opening for an Administrative Clerk in the Personnel Department. This senior staff position offers: Stimulating and challenging work environment—Individual growth and development in clerical/computer payroll and benefits area of newly established computer system—Opportunity fringe benefits including 4 weeks vacation and 5 weeks after 5 years.

Thorough knowledge of established regulations, procedures and methods involved in coding, processing and

balancing of payroll benefits is required, as well as familiarity with computer payroll operations in order to interpret and apply data retrieved.

Grade XII with supplementary training in business and office procedures is required. Experience in computer payroll input, keypunching or accounting would be an asset.

Apply: Director of Personnel,  
 Provincial Cancer Hospitals Board,  
 11560 University Avenue, Edmonton,  
 Alberta. T6G 1Z2.

## Advertisements

*must reach the Editor by 3 p.m. on the Thursday prior to publication, which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.*

### Accommodations available

For sale—South Garneau. Two bedroom house in excellent condition, 1½ storeys. 1,300 sq. ft. Spacious living room and dining room. \$92,000. 439-2948.

For sale—Bungalow in Windsor Park at 8932 116 St. For appointment call 439-4207.

For sale—Windsor Park. Outstanding three bedroom bungalow with entertainment sized living room, huge country-style kitchen overlooking rear garden with covered patio. Professionally developed basement with 20'x20' rumpus room with wet bar, four piece bath and den with lots of built-ins and bookshelves. An immaculate home in every respect, upgraded throughout. Attached single garage, but the large lot affords the possibility of enlarging garage or adding a carport. Priced at \$138,900. To view please call Shelley Carrington. Potter Realty, 434-1379, office 436-3050.

For sale—By owner. St. Albert. Three bedroom bungalow, fully landscaped and fenced, five appliances and curtains, perfect starter home. \$85,000. Phone 459-8155 after 5 p.m.

For sale—Luxurious hi-rise apartment within minutes of University. Two bedroom view unit in Grosvenor House, 100 Ave. and 118 St. Five appliances included, also two underground parking stalls. Immaculate. For viewing call Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For sale—Charming, three bedroom bungalow. Belgravia. Fireplace. Developed basement. Large first mortgage, low rate. Must be sold. \$79,900. 433-7207.

For sale—Lovely executive style bungalow on secluded Riverbend Crescent. Main floor family room with fire-

place. Three piece bath off master bedroom. Double attached garage. Air conditioned. Mortgage \$47,000 at 10¼%. Owner transferred. Call Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For sale—Two-storey in west end. Well designed floor plan, very spacious and beautiful. Fourth bedroom or den on main floor, outstanding ceramic tile in three baths. Double garage, room to park boat or trailer. Owner transferred. Excellent neighborhood. Call Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For rent—Furnished or unfurnished three bedroom house. Study, playroom, extra bedroom in basement. All appliances, vacuum system, double garage. Quiet ravine area, ten minutes from downtown. Non-smokers, no pets. References, damage deposit required. Available January - August 1980. \$700 monthly. 465-2750.

For sale—Five bedroom semi-bungalow near University. Hardwood floors, big trees, excellent financing arranged. 433-7207.

For rent—Two bedroom furnished apartment, Saskatchewan Drive, six month lease, January - June, \$370 monthly. Damage deposit \$200. 433-5444 after 6:30 p.m. weekdays.

For rent—Two bedroom home, walking distance to University, major appliances, non-smokers, no pets please. 437-7175.

For sale—Lake front cottage, Pigeon Lake, electric heating, year round comfort. Buy now, avoid realtors' fees in spring. \$100,000. 436-3874.

For sale—Old Glenora. Vintage, three-bedroom, semi-bungalow, well maintained and superbly decorated. Modern country style kitchen with pine ceiling and exposed brick chimney. Main floor family room overlooks rear garden, open fireplace, delightful living and dining rooms. Loaded with charm! Large lot, beautiful trees. Call Carol Williams at 487-6150 bus. or 487-5712 res. A.E. LePage Melton Real Estate.

For rent—Attractive, carpeted, furnished, bedroom and attached den. Available 20 December. \$95 monthly. 433-7207.

For sale—Attention professional personnel. New 2,050 sq. ft., two-storey home, walking distance to University. Unique floor plan. \$135,900. Vendor may carry first mortgage of \$75,000 at 14%. Call Karin Palutke 963-2656, Block Bros. 452-7950.

# New Year's Eve Party

(for staff, faculty and friends)

Monday, 31 December  
 8 p.m. 1979 to 2 a.m. 1980

### Featuring:

Cash Bar, open at 8 p.m.

Our famous food buffet from 8:30 to 10:30 p.m.

Dancing to "Alberta Sound" from 9 p.m. to 2 a.m.

Party favors for everyone.

Tickets on sale at the Lister Front Desk  
 44 Lister Hall, during regular office hours.

Table reservations accepted at time of ticket purchase.

Tickets must be picked up by 2 p.m.

Friday, 28 December.

Tickets: \$15 single; \$30 couples

**For sale**—Central south side. Walk to University. Period style, older two-storey home. Brick open fireplace, country style kitchen, main floor family room. Price \$84,500 with excellent assumable financing. Spencer Real Estate. Sherry Belcourt 483-7170, 452-4950.

**For sale**—Extra large choice lot in Riverbend, suitable for architecturally designed, executive home. Call Barbara Allen. Spencer Real Estate. Bus. 436-5250, res. 434-0729.

**For sale**—Riverbend. Be the first to view this freshly painted immaculate, three bedroom, Alcan bungalow. Situated on a quiet street and surrounded by mature trees. Aluminum siding, underground sprinkler system and built in vacuum help to reduce maintenance on this fine property. Barbara Allen, Spencer Real Estate 436-5250, 434-0729.

**For sale**—Windsor Park. Large five bedroom home. Located just minutes from University, situated on a beautifully treed lot. For appointment to view newly listed, two-storey home, please call Ted, 436-6243, Realscope Realty Ltd. 428-6993.

**For rent**—Large executive home in west end, ten minutes from University. Four bedrooms, three fireplaces, sauna, double garage, all appliances. Available first January for six to twelve months. \$300 damage deposit, references. \$600 monthly plus utilities. 451-3796 evenings, week-ends.

**Sublet**—One bedroom apartment overlooking campus, completely furnished. 1 March to 30 July. Dates may be slightly adjustable. 432-3925 days, 433-1551 evenings.

**For rent**—Spacious, furnished, three-bedroom bungalow in Greenfields (36 Ave. and 118 St.) Available January to July, 1980. Excellent schools, active community, convenient services. 435-2398, 452-3042.

**For sale**—House. Reduced to \$75,900. Exceptional value. Close to University, very clean, cozy bungalow, with fireplace, large living room, study or bedroom in the basement. Great investment or home for living. 10% down payment, fantastic financing. Call now, Marta Misk 487-5947 res. Buxton Real Estate Ltd. 436-1140.

#### **Accommodations wanted**

Furnished/unfurnished for senior faculty member arriving January 1980. Small house or large apartment permitting pets. Helen Madill 432-2067, 432-5990.

British visiting professor requires quiet, bachelor or one bedroom apartment near campus. 1 January - 30 April. Jendyk 432-2471.

#### **Automobiles and others**

1974 Dodge Coronet, blue, 47,000 miles. v.g. condition. \$2,500 o.n.o. 487-7016, 432-5510.

Wanted older Datsun 510 or other Japanese car, working or not. 477-2908.

1977 Grand Prix, 22,000 miles. Excellent condition, loaded. Offers. 488-4314. T-Bird 1976, 33,000 miles, loaded. 436-9516.

1974 Gremlin, two door, automatic, low mileage, winter tires on extra rims. 434-1701 evenings.

75 BMW 530i, 4 speed, AM/FM stereo-cassette, 53,000 miles. \$8,600. Days 432-5439, evenings 483-9432.

#### **Goods for sale**

High quality electronic piano, \$1,200.

Full 88 notes. Dean 432-3796, 436-1879.

**Jewelry sale**—Exquisite antique and new. 10 kt. - 18 kt. Marian Centre Gift Shop. 10528 98 St. Entrance, Parking in rear. 10 a.m. - 4 p.m., Monday - Saturday. All donated items, proceeds to the poor.

A few paintings of wildlife subjects by W. Ray Salt. 432-1701, 439-0964. Christmas candles, electric. 4½ feet high, \$10. Will take orders. Phone 434-0138, evenings.

Hitachi, color TV. 20", solid state, fully transistorized-I/C, good condition, \$300 o.n.o. Cabinet radio/record player AM/FM auto, \$50. Phone 434-0138 evenings.

Oriental carpets: several older quality pieces. 488-4255.

Wanted old color portable TVs.

Call 477-2908.

#### **Services**

Edmonton Yoseikan Karate Club:

Call Sport Alberta 458-0440.

Experienced typist. Variety of type styles symbols. Quality work. 435-4407; 435-5006.

Typing on Word Processor. Call Darlene 987-2989, 452-1074.

**Expert typing**—theses, etc. 455-0641.

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Experienced typist available. 462-3934.

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Top quality typing, 455-6398.

Nanny available, no finders fee. Family moving to U.S.A. Phone 434-1255.

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Will do typing at home, 15 years experience. 475-0096.

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Sitter required for 1 year old. Monday - Friday, 1 - 5 p.m., starting January. Prefer my home in Pleasantview, but will consider yours. 436-6456.



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Swing towards spring and the freedom of 21.87 acres and 1928 sq. ft. open beam cedar bungalow. Sufficient expanse of manicured lawns to inspire development of your own 3 hole par 3 golf course. Babbling brook, lovely wooded area, footbridge complete the picture. Keep it green with limitless water from *Artesian Well*. Five minutes from Spruce Grove.

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